

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. *(cancelled)*
2. *(cancelled)*
3. *(cancelled)*
4. *(cancelled)*
5. *(cancelled)*
6. *(cancelled)*
7. *(cancelled)*
8. *(currently amended)* A medical data transfer system interfacing an implantable medical device comprising a hemodynamic monitor providing cardiac pressure data with a remote center, comprising:

an information remote monitor operable to establish wireless communication with an implantable medical device;

an external pressure reference operable to obtain barometric pressure data;

a software module resident on the information remote monitor to access implantable medical device cardiac pressure data, download barometric pressure data from the external pressure reference, and combine the data to produce corrected cardiac pressure data based on the barometric pressure data; and

a communication link between the information remote monitor and a the remote center transferring corrected cardiac pressure data.

9. *(original)* The system of claim 8 further comprising a personal computer interfaced between the information remote monitor and the remote center.

10. *(original)* The system of claim 8 wherein the communication link comprises a modem and a transmission medium.

11. *(original)* The system of claim 8 wherein the implantable medical device executes high resolution data collection upon occurrence of a trigger event selected from a group consisting of a bradycardia trigger, a tachycardia trigger, and a patient activated trigger.
12. *(original)* The system of claim 8 wherein wireless communication between the information remote monitor and the implantable medical device is bi-directional.
13. *(original)* The system of claim 8 wherein the information remote monitor comprises a housing and a detached antenna.
14. *(original)* The system of claim 13 wherein the housing comprises a back panel, a front panel and a top structure having a slot for installation of the external pressure reference during download of barometric pressure data.
15. *(original)* The system of claim 13 wherein the housing comprises a back panel having cradles to support the antenna in a stowed position.
16. *(original)* The system of claim 13 wherein the housing comprises a back panel having a power panel comprising a power cord attachment, a serial data port, and a telephone jack.
17. *(original)* The system of claim 16 further comprising a dialing sequence switch.
18. *(original)* The system of claim 13 wherein the housing comprises a front panel having a user interface panel comprising a power indicator, a first indicator of data download from the external pressure reference, and a second indicator of data transfer to the remote center.
19. *(original)* The system of claim 8 wherein the information remote monitor simultaneously downloads data from the external pressure reference and data from the implantable medical device.

20. *(original)* The system of claim 8 further comprising a personal computer connected to the information remote monitor to control the information remote monitor in programming the implantable medical device.

21. *(original)* The system of claim 8 wherein the information remote monitor includes an internal modem to dial the remote center and transfer data over the communication link in a protocol selected from a group consisting of FTP, PPP and TC/PIP protocols.

22. *(original)* The system of claim 8 wherein the communication link comprises a transfer medium selected from a group consisting of a phone line, a cable modem, an ISD line, and a wireless data transmission system.